

## Claims

1. A dial, comprising:  
a substrate plate;  
a semi-transparent layer covering at least part  
5 of said substrate plate of a material allowing light to  
pass;  
phosphorescent, fluorescent or luminescent  
luminous elements lodged between said substrate plate and  
said semi-transparent layer;  
10 wherein said luminous elements form an image  
visible in darkness but essentially invisible under normal  
lighting conditions.
2. The dial of claim 1 wherein said luminous  
elements are lodged in blind hollows made in said semi-  
15 transparent layer and open towards said substrate plate.
3. The dial of claim 1 wherein said luminous  
elements are lodged in blind hollows made in said substrate  
plate and open towards said semi-transparent layer.
4. The dial of claim 1 wherein said luminous  
20 elements are applied by serigraphy, tampography or manually  
onto said substrate plate and/or onto said semi-transparent  
layer.
5. The dial of claim 1 wherein said semi-  
transparent layer is made of one of the following  
25 materials: mother-of-pearl; varnish; lacquer; glass;  
plastic.
6. The dial of claim 1 comprising a colored layer  
interposed between said substrate plate and said semi-  
transparent layer.

7. The dial of claim 6 wherein said colored layer is a coat of varnish.

8. The dial of claim 2 wherein said blind hollows are made by machining or by selective chemical attack.

5           9. The dial of claim 3 wherein said blind hollows are made by machining or by selective chemical attack.

10. A watch piece, comprising a dial, said dial comprising:

          a substrate plate;

10           a semi-transparent layer covering at least part of said substrate plate of a material allowing light to pass;

          phosphorescent, fluorescent or luminescent luminous elements lodged between said substrate plate and  
15 said semi-transparent layer;

          wherein said luminous elements form an image visible in darkness but essentially invisible under normal lighting conditions.

11. The watch of claim 10 wherein said luminous  
20 elements are lodged in blind hollows made in said semi-transparent layer and open towards said substrate plate.

12. The watch of claim 11 wherein said luminous elements are lodged in blind hollows made in said substrate plate and open towards said semi-transparent layer.